

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF A NEW TRAFFIC CONTROL SIGNAL WITH VIDEO CAMERA DETECTION AT THE NEW INTERSECTION OF THE I-270 Y RAMP AND WESTLAKE TERRACE IN MONTGOMERY COUNTY. THE I-270 Y HOV RAMP IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION. THIS PROJECT ALSO CONSISTS OF THE REMOVAL AND RELOCATION OF THE EXISTING CLOSED CIRCUIT TELEVISION CAMERA ON THE I-270 SPUR TO JUST NORTH OF WESTLAKE TERRACE.

CONTROLLER REQUIREMENTS

INSTALL AN EIGHT-PHASE, FULLY-TRAFFIC ACTUATED, SOLID CONTROLLER AND ALL FIELD EQUIPMENT TO OPERATE CCTV, SINGLE MODE FIBEROPTIC ST CONNECTOR, RACK MOUNTED SPLICE ENCLOSURE DISCONNECT TO BE HOUSED IN A NEMA TYPE "G" POLE-MOUNTED FIELD EQUIPMENT CABINET.

SPECIAL NOTE

ALL UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE BECAUSE THESE UTILITIES MAY BE MODIFIED PRIOR TO AND DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

CAT.CODE NUMBER	SPEC. SECTION	QUANTITY	DESCRIPTION
900000	816	1 EA.	POLE MOUNTED FIELD EQUIPMENT CABINET

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

CAT.CODE NUMBER	SPEC. SECTION	QUANTITY	DESCRIPTION
801806	813	4 EA.	4 FT. DELINEATOR POSTS WITH METAL ANCHOR
802570	810	6890 L.F.	I-CONDUCTOR NO. 2 AWG CABLE
810022	810	150 L.F.	ELECTRICAL CABLE I-CONDUCTOR NO. 8 AWG-THHN/THWN
815225	805	1310 L.F.	4 IN. SCHEDULE 80 MULTI-DUCT PVC CONDUIT-TRENCHED
815240	XXX	3445 L.F.	48 FIBER SINGLE MODE FIBEROPTIC CABLE
837001	804	8 EA.	GROUND ROD 3/4 IN. X 10 FT. LENGTH
860166	805	1310 L.F.	4 IN. SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
873001	XXX	1 L.S.	REMOVAL AND SALVAGE OF EXISTING EQUIPMENT
800000	805	910 L.F.	4 IN. SCHEDULE 80 MULTI-DUCT PVC CONDUIT-ON BARRIER
800000	805	910 L.F.	4 IN SCHEDULE 80 RIGID PVC CONDUIT-ON BARRIER
800000	810	3445 L.F.	I-CONDUCTOR NO. 6 AWG CABLE
800000	XXX	1 EA.	INSTALL POLE MOUNTED FIELD EQUIPMENT CABINET
800000	XXX	8 EA.	CONCRETE HANDBOXES
800000	XXX	1 L.S.	REMOVAL AND RELOCATE EXISTING EQUIPMENT
800000	XXX	1 L.S.	REMOVAL AND DISPOSAL OF EXISTING EQUIPMENT
800000	XXX	1 L.S.	DELIVER SALVAGED EQUIPMENT

PROJECT CONTACTS

THE CONTACT PERSONS FOR DISTRICT #3 ARE AS FOLLOWS:

CHARLIE WATKINS  
DISTRICT ENGINEER  
PHONE: 301-513-7300

AUGIE REBISH  
ACTING DISTRICT UTILITIES ENGINEER  
PHONE: 301-513-7350

RALEIGH MEDLEY  
ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
PHONE: 301-513-7304

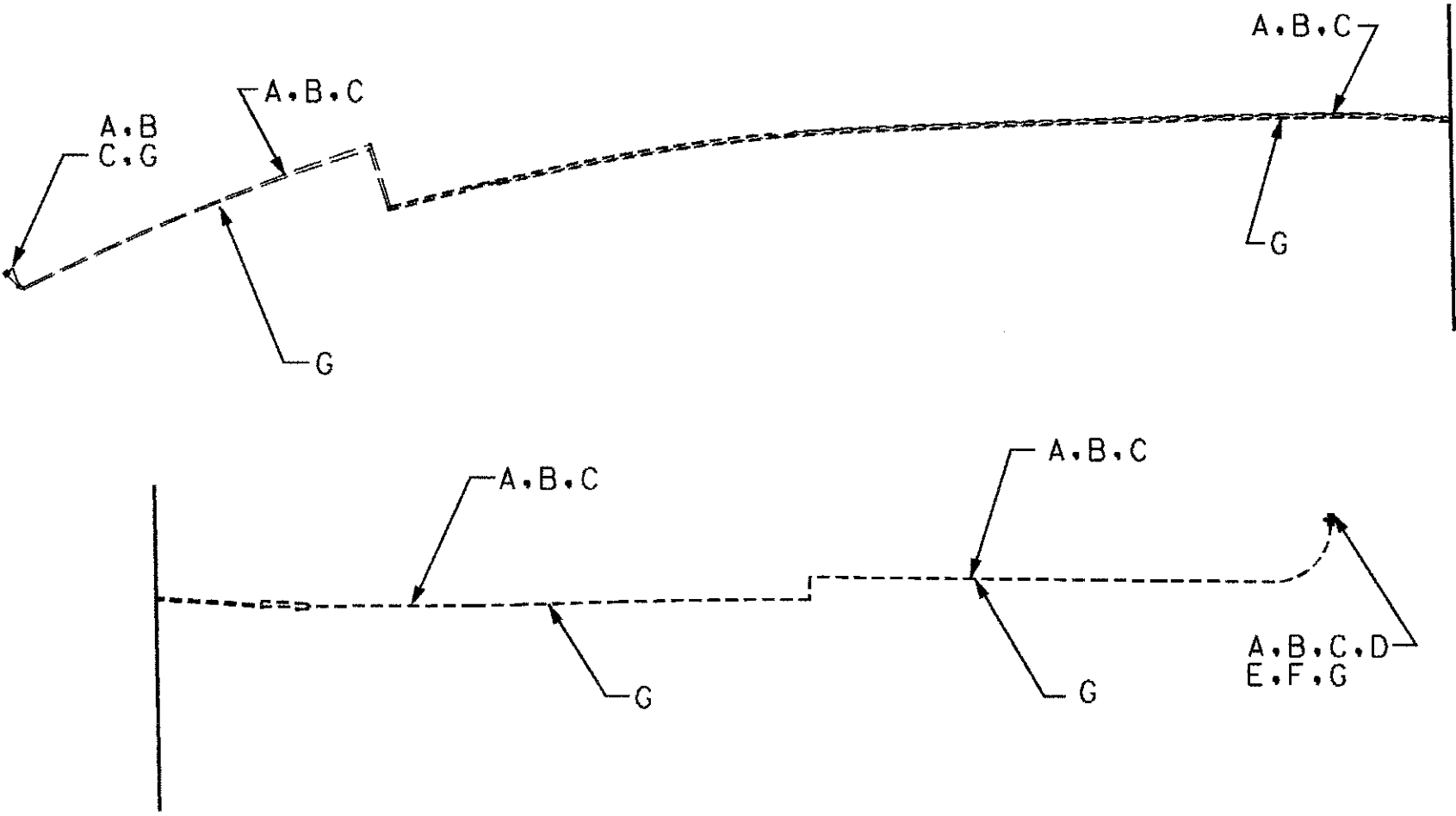
MAJID SHAKIB  
ASSISTANT DISTRICT ENGINEER - TRAFFIC  
PHONE: 301-513-7358

EQUIPMENT LIST "C"

C. EXITSTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7941 CONNELLEY DRIVE, HANOVER, MD 21076

QUANTITY	DESCRIPTION
1 EA.	EXISTING CCTV CABINET AND CONTROLLER

WIRING DIAGRAM



PHASE CHART

A.B	1-CONDUCTOR NO.2 AWG CABLE
C	1-CONDUCTOR NO.6 AWG CABLE
D.E.F	ELECTRICAL CABLE 1-CONDUCTOR NO.8 AWG THHN/THWN
G	48 FIBER SINGLE MODE FIBEROPTIC CABLE

3 REDLINE NO. 3 09/19/2001 NEW SHEET

THE WILSON T. BALLARD CO.  
CONSULTING ENGINEERS  
OWINGS MILLS, MARYLAND

REVISIONS	APPROVALS
	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION

GENERAL INFORMATION SHEET  
I-270 WEST SPUR AT DEMOCRACY BOULEVARD  
AND WESTLAKE TERRACE  
I-270 Y HOV RAMP AT WESTLAKE TERRACE-CCTV RELOCATION

DRAWN BY: MB	F.A.P. NO. M09025172	TS NO. 4053-5	SHEET NO.
CHECKED BY: STB	S.H.A. NO. MONTGOMERY	T.I.M.S. NO. D 968	245A OF 296
SCALE: NONE	COUNTY: MONTGOMERY	LOG MILE: 1.14	
DATE: MARCH 2001			